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The Files - RD-132, T.O. 8

22 December 1958

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Conference Report, Data Analysis Study

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1. On 12 December 1958 a conference was held in Washington, D. C. with representatives of the [REDACTED] to discuss the work being done under Task Order 8. Present at the discussions were:

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2. The scope of the work under this task was recently increased to provide for "Phase B" of the Data Analysis Study. This conference was held in order to clarify the Agency's operational requirements and to brief [REDACTED] personnel on the methods and results of internal research effort on the program within the Agency.

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3. At the conclusion of Phase A of this study program, [REDACTED] reported encouraging results from frequency analysis (up to 20 kc) of the pre-burst and post-burst energies. These results indicated that the higher frequencies (20 kc and up) may yield even more information, and the contractor has subsequently commenced investigation of the data in this frequency range. During the period between the close of Phase A and the initiation of Phase B, the SFB/AF research group continued their parallel study program. The results of their study suggest that the higher frequency energy bursts do possess greater repeatability and make possible a more positive correlation than those of lower frequency. It now appears that the goals of this study program are definitely within reach, the problem now being to find the quickest, easiest, and most positive method of reading out the received energy into useful information. Hopefully, the investigative effort of the next couple of months will reveal the identifying characteristics which can be most accurately and easily compared and lead the way to the construction of a correlating device which will approach as closely as possible automatic operation.

4. Most of the effort this far has been placed on analyzing the results of single-track passive collection. During the Phase B portion

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of this program, additional time will be allotted to the investigation of these alternate methods of collection:

- a) "Binaural" collection, using two, three, or four spaced pick-up devices.
- b) Active collection systems which, though they may provide good correlative data, would probably tend to increase the chances of detection.

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5. It was suggested that some of the [REDACTED] personnel might profit by coming to Washington and working with the SPS group for a couple of days to become familiar with their approaches to the problem and to assist in evaluating the results. Accordingly, it was arranged to have [REDACTED] work with

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SPS during the period 16 to 18 December 1958.

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OC-E/R+D-EP/DES:bc (22 December 1958)

cc: R+D Subject File

✓ Monthly Report

R+D Lab

SPS

R+D Chrono

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